Thermal characteristics of volatile substances. (Cont.) 96-7-8/25

content has a common curve for all the types of fuel. The oxygen content of anthracites and hard coals increases progressively with increase in the volatiles content over the whole range of values experienced. However, the hydrogen content, which has the highest calorific value of all the components increases only up to a volatiles content of about 10% and beyond 15% it remains practically constant. On the basis of the considerations which are adduced a diagram is drawn in Fig. 3 of the change in the elementary composition of the hot mass of fuels of humus origin and the distribution of the elements between the solids and volatiles as functions of the volatiles content (for low sulphur fuels). There are 3 figures, and 2 references, 1 of which is Slavic.

Card 4/4

ASSOCIATION: Giprosakhar.

AVAILABLE:

TAGER,		iidat tekemiek	indicate needs					
and the same of th	Designing cocling.	contine neme Energetik 5	ls for furnace no.6:26-27 Je (Furnaces	grates having 157. rates)	eircul (RIN)	lation A 10:7)	;	
								* ·
					· <u> </u>			

TAGER, S.A., kand. tekhn. nauk; MOTIN, G.I., inzh.

Cyclone furnace of small capacity for burning milled peat. Energe(MIRA 10:12)
tik 5 no.12:8-12 D '57.

(Purnaces)

104-3-30/45

Smirnov, A.S., Engineer and Tager, S.A. Candidate of AUTHOR:

Technical Sciences.

High speed stop and transfer valves for pulverised fuel TITLE:

pipes. (Bystrodeystvuyushchiy plotnyy klapan-pereklyuchatel

dlya pyleprovodov)

"Elektricheskiye Stantsii" (Power Stations), 1957, PERIODICAL:

Vol. 28, No.3, pp. 79 - 80 (U.S.S.R.)

ABSTRACT: Pulverised fuel fired boilers have two burners each of which can take half the load; both burn continuously. Usually there are two pulverised fuel systems. Normal types of valve cannot be used on the piping of these systems and the article describes the special constructions that are recommended; they

are illustrated by sketches. There is I figure...

Library of Congress AVAILABLE:

Card 1/1

ACTION OF AN Editorial note on p 18 is followed by contributions to the discussion by a number of authors.

Discussion on the Design of Medium and Low Output Industrial Power Stations (Diskussiya po voprosu proyektirovaniya promyshlennykh elektrostantsiy sreiney i maloy moshchnosti)

PERIODICAL: Promyshlennaya Energetika, 1958 Nr 6 pp 18-33 (USSR)

The unsatisfactory position in the equipment design and construction of small and medium industrial power and construction of small and medium industrial power stations is seriously retarding power development. In Promyshlennaya Energetika 1956 Nr 9, M. I. Lavrov published an article for discussion on this subject. We published an article for discussion on this subject we must agree with Lavrov that the standard designs issued by Promerergoproyekt are unsatisfactory and new types of industrial Heat and Electric power stations are required Small costly, inefficient power stations are displacing small and medium heat and electric power stations simply because these latter are too big and complicated. Small and medium power stations should be cheap and simple and cari l/litheir design should be thoroughly reviewed. Industrial

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754710019-6"

94-38-6-12/19 Discussion on the Design of Medium and Low (utput Industrial Power Stations

gas turbines should be introduced. In the discussion published below there are no contributions from Works making power equipment and they and staff of Councils of National Economy are asked to join in.

Professor Golubtsov V. A. (Corresponding Member, Academy of Science USSR), pp 13-20 Work on the development of cheap and simple industrial power stations is lagging. In 1952, at MONITOE M.I. Lavrov made a number of suggestions about drawing up new types of medium and small industrial power stations, and in 1956 he published an article on the subject in Promyshlennaya Energetika Mr 9 based on his earlier report. In the intervening five years a number of his ideas had been confirmed but they had never been adequately discussed Concerning Lavrov's article it is a good idea to have individual feed arrangements for each set, it is inadvisable to have more than one steamreduction and cooling installation because of the equipment and piping required. Lavrov's comments on the poor characteristics Card 2/11of feed pumps are correct. Small instruments are required

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754710019-6"

94-58-6-12/19
Discussion on the Design of Medium and Low Output Industrial
Power Stations

so that control paneto can be made cheaply. The proposal to reduce the size of descrator tanks requires further consideration. The use of semi-outdoor construction is proposation. The use of semi-outdoor construction is proposation of the use of thid, or meet as amportant, neither to a crame needed in the boilar house. It is correct to higher the turbing foundations and the building structure Some endarground communications must be made the retained. Not all the author's suggestions are fully worked out or acceptable the main thing is that he had now up with new and ritical ideas.

Zabb. R. C. Camidate of Technical Science (All-Union Statementary Constructional Coorespondence Institute) pp20-21 It is very necessary to revise the construction of power stations of 8 to 12 MW and Levrov's proposals are generally acceptable. In smaller power stations use should be made of steam at 130 - 140 atms: 535-565 C using pearlitic class steel. Detail proposals are made for simplification of the thermal circuit of the power station. Boiler houses Card 3/11can be simplified when burning pulsarised fuel.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754710019-6"

94 - 58 - 6 - 12/19

THE THEORY OF THE PROPERTY OF

Discussion on the Design of Medium and Low Output Industrial Power Stations

Standardisation of boiler sets is discussed. Air heaters should be made smaller. Forced circulation boilers of Lamont type should be introduced because they are smaller construction should be speeded up using prefabricated standardised concrete parts. Unit type sets made within the limitations of the railway loading gauge can help to make construction cheaper.

Khaldeyev P. I. Engineer (Giprosakhar)
It is important to cheapen and simplify small power stations because of the large number of heat and electric power stations that it is proposed to build. Lavrov's cost curve should not rise so steeply for small sets because small sets are simple and of low capital cost. A revised cost curve for small heat and electric power stations is given in Fig.1. Capital costs of types1 and 2 heat and electric power stations are tabulated and the reduced costs that result from fuel and ash handling and water supply in type 1 stations is evident, capital savings are up to 22%. Question of fuel and ash handling and water treatment are then discussed in detail. Ammoniatedium cation treatment is recommended as being simpler

Card 4/11

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754710019-6"

· 连续。

94-58-6-12/19

Discussion on the Design of Medium and Lew Output Industrial Power Stations

for sugar works than H-Na cation treatment this associa process should be widely used in other branches of industry. Effective measures must be taken to keep ammonia out of the steam, The use of back pressure turbines is recommended. The use of pre-assembled distribution equipment for 6 kV makes it possible to simplify the main distribution equipment. Layout of electrical control and distribution gear is discussed. Fael handling problems are then considered. The arrangement of power stations of 6 - 8.5 MW shown in Fig. 2 is in accordance with the principles explained of the two apparagements given the first is to be preferred. Most of Lawrot's suggestions for making stations cheaper and simpler are agreed with. Medium power stations should combine the practice of large and of small stations but hitherto they have been based only on that of large stations. Some of Lawrow's ideas are detatable. Unit arrangement of feed means having more feed pumps and Card 7/11 deaerators. Whilst unit working of purbines and boilers is desirable the nevessary uniformity of loading cannot

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754710019-6"

《注意》写,4

94-58-6-12/19

Discussion on the Design of Medium and Low Output Industrial Power Stations

always be achieved in industrial stations. If feed lines are not linked full use cannot be made of deaerator capacity of lightly loaded sets. Central control of the thermal and mechanical part of the station is very desirable, but cannot be achieved in most small stations with chain grate stokers with fuel of variable quality because complex automation is not possible. A number of requirements for the near future are listed: load factors should be improved by combining different types of loading; fuel should be delivered in loads equal to about half the storage capacity; equipment suitable for outdoor operation should be supplied; other improvements are listed.

Tager S. A., Candidate of Technical Science (Power Institute, Ac. Sc. USSR) pp 25-27. Small and medium power stations have in recent years, been built on the model of large regional power stations which is a mistake. Much work is required to make industrial power stations cheaper and simpler. The physical arrangement of deaerators and water treatment

Card 6/11

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754710019-6"

94-58-6-12/19

Discussion on the Design of Medium and Low Output Industrial Power Stations

plant is discussed. The idea of unit construction of boiler turbine deaerator feed pump, reduction and cooling plant is hardly suitable for small and medium stations, partly because the various components must be convenient and reliable. It is often quite impossible to give each set its own reduction and cooling installation Boiler house layout is discussed, the arrangement without basement is preferred. The climatic conditions of the USSR do not favour open air boiler nouses as a general solution. Plant sizes can be cut down and boiler costs reduced. For burning small fuel, furnaces with liquid slag removal offer promise particularly cyclone furnaces and other types recently rig tested at the Power Institute, Ac. Sc., USSR, Modern mechanised chain grate furnaces must be used. Their advantages are described. The main reason why they have not been used more extensively is that existing Soviet designs are out of date. Chain grates can be used to burn coal with high fines content, and they have been used with success for many years at the Chelyabinsk Regional Electric Power

Card 7/11

94-58-6-12/19
Discussion on the Design of Medium and Low Output Industrial
Power Stations

Station, burning local brown coal. The new method of burning hot fine fuel, developed by the Power Institute Ac.Sc. USSR makes possible complete combustion of material carried over and trapped in gasways and ash A further factor hindering the introduction of chain grate stokers is the disorganisation of fuel supply which leads to wide variations in fuel quality at any particular power station, so that the plant has to be about universal - greater uniformity of fuel quality is required. Meanwhile the fuel balance is changing, and fuel oil and natural gas are particularly suitable fuels for small power stations. In view of this changing cituation small power stations should be designed to run on natural gas and oil fuel and gas turbine and diesel stations should be designed. Because of its scattered nature there is no research or design institute diesel stations should be designed. for industrial power supply and there should be,

Kachinskiy, R. K. (Engineer) (Ukrgiprosakhar), p 28
The unit system of operation is supported on grounds of Card 8/11 reliability and economy. Pressures of 60-80 arms should

94-58-6-12/19
Descussion on the Design of Medium and Low Output Industrial
Power Stations

be used for power stations of 8 - 12 MW. Unit feed lines are desirable, but there should be automatic connection of spare feed pumps. Fuel hardling equipment can be simplified. The standards of the Boiler Inspectorate should be simplified.

Kuritsyn F. F. pp 23-29
It is most important to estimate industrial loads correctly or the station will be underloaded, alternative forms of power and heat supply should be fully considered.
Existing constructional standards are in urgent need of revision and are retarding the work of design organisations. Not enough attention is paid to the demands of the final customer. In Light Industry during the 5th Five Year Plan not a single project put up by TEP and Promenergoproyekt for power stations passed without important changes of output or construction and in some cases they were rejected outright. A number of industrial power stations started up in the last few years are only running on half load.

Card 9/11

94-58-6-12/19

Discussion on the Design of Medium and Low Output Industrial Power Stations

ing the first feet for the first of the first one for the first of the

Lavrov M. I. (Promenergoproyekt), pp 29-53 The original author then sums up the discussion at some length. An industrial power station may take 1-2 years to design and 2-5 years to construct which is too long. Therefore all sorts of locomobiles, diesels and power trains are installed and they are very inefficient and expensive, This is also the reason for the rapid increase in small and inefficient boiler houses. Examples of this are given. Most of the proposals contained in the original article receive general support Objections are raised against the use of unit construction because of the difficulty of regulating the loads on the units, or because more feed pumps are needed. However, load distribution and regulation really only needs special consideration when loads are unusually variable. Careful comparisons have shown that in fact unit schemes do economise on materials and equipment. The main difficulty with unit schemes is to cover the heat load and the use of special boilers for this purpose is recommended; such boilers are in fact teams widely installed. Many of the

Card 10/11

94-58-6-12/19

Discussion on the Decima of Medium and Low Output Industrial Power Stations

suggestions made in the article have proved themselves in practice but are still not being widely adopted. The various recommendations are then repeated and reinforced Objections against semi-outdoor boiler houses are met with the reply that the Ministry of Electric Power Stations has recommended their use for large stations in a number of climatic regions and has recommended outdoor installation of induced draught fars and ash arresters in all regions. All that then remains of the boiler house is the bunkers and ash handling equipment. When power stations are reconstructed it is often not possible to use the old boiler houses. Progress that is being made in the use of higher steam conditions is described but it is not yet fast enough. In the discussion objections were raised to the proposal to avoid underground services and in reply accounts are given of practical experience with the recommended construction. A number of further recommendations are then summarised under the following headings fuel and boiler room, machine room, Heat and Electric Power Stations as a whole: construction, and auxiliary shops. There are 2 figures and 2 tables

Card 11/11

1. Industrial plants-USSR 2. P.war plants-Operation-USSR 3. Power plants-Design 4. Power plants-Economic aspects 5. Power plants-Standardization

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754710019-6"

96-4-7/24

AUTHUR: Tager, S. A., Candidate of Technical Sciences.

1142216

Further ways of developing furnaces with rabbling bars.
() putyath dal'neyshego razvitiya topok s shuruyushchey plankoy).

FERIODICAL: Teploenergetika, 1958, 34 5 No.4, pp. 41-46 (USSR).

ABBINATO: Furnaces with rabbling bars are widely used when hurning brown and hard coal under boilers of output 4 - 12 tons/hour. A special feature of these furnaces is that the fuel layer is displaced over a stationary flat hearth by means of a moving bar. This method of combustion in layers is rational and worth developing but so far is not effective enough. The furnaces have a single bar which is only operated from time to time and is stationary for more than three-quarters of the time. For coordinated delivery of definite amounts of fuel to the furnace and the removal of clay to the bunker, the motion of the rabbling bar must be rather complicated. Because of the may the bar works, the operation of the furnace cannot be uniform and varies cyclically. The thermal cycle of a furnace with a single rabbling bar is represented by the diagram in Fig.2.1. After making

96-4-7/24

Further ways of developing furnaces with rabbling bars.

layer of fuel on the hearth likewise remains stationary and gradually burns away, so that the excess-air factor gradually rises. As the bar commences to deliver fresh fuel, which evolves volatiles, the excess-air factor falls. As the bar moves along the layer of fuel, the output of volatiles is stabilised and the excess-air factor remains approximately constant. The variations in Jas formation are greater when burning dry hard coals than when burning wet brown coals. The rabbling action of the bar breaks up the layer of ash around lumps of coal and helps them to burn. However, in single-bar furnaces the bar is stationary most of the time and is not breaking up the ash in this way. To overcome these defects the first task is to improve the action of the furnace. This can be done by using a frame with a number of rabbling bars, as proposed by Engineer S. Ye. Zhitenev. Fig. 3 shows two main designs of this kind. The first was applied to a 'Komega' furnace in which the bars and chain drive of the original design were replaced by a multi-bar frame; the second is a new design in which there is no ash pit. The frame consists of a number of rabbling bars Card 2/4 of normal chape rightly connected together by a tubular

96-4-7/24

Further ways of developing furnaces with rabbling bars.

freme. Each bar displaces the layer on the hearth by a distance of 0.6 - 0.8 metres. The frame, moving as a whole, displaces the whole fuel layer simultaneously over the entire length of the frame. Thus the stroke, rate of motion, and duration of each stroke are much less than with a cingle bar and the frame is working almost all the time. As a result the conditions of combustion of the fuel layer appreach those of atendy chain-grate operation. Variations in encer -air factor are largely overcome. However, a disadvartage of the multi-bar frame is the need for continuous water cooling. The frame may be operated either with constant stroke at variable speed or The diagram II with constant speed and variable stroke. of combustion in the furnace with a multi-bar frame is very different from that achieved with a single rabbling bar. There is less variation in the excess-air factor, and instead of being markedly cyclic, conditions are They are even more uniform when, as in Fig. 2 III, the stroke is constant: this is because the Card 3/4 quantity of fuel delivered in a full stroke of the frame

5: -n-7/ A

Further ways of developing furnaces with rebbling bars.

does not depend on the method of regulating the speed. A further advantage of the multi-bar frame is the ease with which it can be adapted to automatic control. The performance of a multi-bar frame may be judged by the uniformity of the fuel layer and the absence of bare patches at the end of the grate. Conditions are passest then the fuel layer is thick. The use of multi-bar frames offers the possibility of constructing simple and cheap mechanised furnaces. These would be a further development of pulverised/layer furnaces is which the most complex and expensive mechanism, the chain grate, can be replaced by a simple hearth without an ash pit. A schematic diagram of a furnace of this kind is given in Fig.4. The combination of overhead fuel delivery with displacement of the layer by a multi-bar frame is a rational solution, since the frame gives practically steady motion of the layer as in a chain grate. There are 4 figures.

Card 4/4

ASSOCIATION: Power Institute of the Ac.Sc. of the USSR.

Energeticheskiy Institut AN SESR).

AVAILABLE: Library of Jongress.

Tager, S.A. (Cand Tech Sci.) AUTHOR:

SOV/96-58-10-3/25

TITLE:

The influence of fuel ash and volatile contents on mechanical under-combustion (Vliganiye solerzamiya zoly i vykhoda letuchikh v iskhodnom toplive na mekhamicheskiy nedozhog)

PERIODICAL:

Teploenergetika, 1958, Mo.10. pp. 10-16

AUSTRACT?

The formula used in the Stundard Procedure for the Thermal Design of Boilers is given. It is assumed that the ash content of the fuel and the proportion of unburnt fuel are independent of one another. Published work relates the unburnt fuel in the slag to the ash content of the fuel when burning brown coal on chain-grate stokers. A missimum is observed in the curve of unburnt content, but for some time the reality of this minimum was not telieved. Other published work demonstrates a similar behavior when burning pulverised fuel. The way in which this minimum can vegue is discussed; in the first place the mechanism of mechanical under-combustion is described with reference to Fig.2. A magnitude known as the degree of combustion: is introduced and defined as the ratio of the solid carbon actually consumed to the initial content of it in the fuel. The difference between this number and unity is defined as the 'degree of undercombustion'. Equations are given for the calculation of these magnitudes from test results. General relationships between the combustibles contents in the residues as functions of the degree of combustion of the initial fuel, derived from Eqn.11, are given in

Card 1/3

The influence of fuel ash and volatile contents on mechanical $\frac{50V}{96-58-10-3}/25$ under-combustion.

Fig. 3. The shape of these curves is discussed; the conclusions derived are used to explain the shape of the experimental curves in Fig.1., where the unburnt fuel content of the slag is plotted as function of the ash content of the fuel. An expression is given for the coefficient of distillation of the fuel. The new procedure for calculation recommended in the article was used in plotting the graphs in Fig. 5: they relate to chain-grate stoking and show the mechanical under-combustion, the degree of under-combustion, and the unburnt fuel content of the slag. These curves then form the basis for a general discussion of the process of combustion in furnaces. A table is given of the salient characteristics of a number of types of coal available in the USSR, with the corresponding values of the combustibles in the carry-over when they are burnt as pulverised fuel. Curves similar to those of Fig. 5 but relating to pulverisedfuel firing, are given in Fig.6. It is shown that for pulverisedfuel firing a linear relationship may be assumed between the dry ash content of the fuel and the unburnt fuel in the slag. On the other hand, as will be seen from Fig. 7, a curve must be used for this

Card 2/3

The influence of fuel ash and volatile contents on mechanical $\frac{50V}{96-58-10-3}/25$ under-combistion.

relationship when chain-grate stoking is considered. In practice, however, it is recommended to use an approximate linear relationship corresponding to curve 3, in Fig.7. There are 7 figures and 4 Soviet-references.

ASSOCIATION: Power Institute, AS; USSR (Energeticheskiy Institut AN SSSR)

Card 3/3

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754710019-6"

TAGER, S.A., kand.tekhn.nauk; AL'BERTINSKIY, L.I., inzh.

durning nusks in cyclone furnaces. Teploenergetika 7 no.5:

48-53 My '60.

1. Energeticheskiy institut AN SSSR i Energotekhnaladka.

(Furnaces)

Eliminating the difficulties in the operation of PMZ furnaces caused by the use of wet coal. Energetik 2 no.6:35 Je '60. (MIRA 13:7)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754710019-6"

ROMADIN, V.P., doktor tekhn.nauk; TAGER, S.A., kand.tekhn.nauk

Main decisions of the all-Union conference on design principles
and methods for developing large furnace systems. Teploenergetika
8 no.3:89-91 Mr '61. (MIRA 14:9)

(Furnaces—Congresses)

TAGER, S.A., kand. tekhn. nauk; RYABTSEV, N.I., itch.

Burning of anthracite fines on the chain grates under DKV-10 boilers. Energetik 9 no.1213-17 Ja 'bi. (MIRA 16:7)

(Boilers) (Furnaces - Grates)

TAGER, S.A.

Use of BTsR grates in DKV boilers. Energetik 9 no.7:36 J] '61.

(MIRA 14:9)

(Boilers)

TAGER, S.A., kand.tekhn.nauk; SHIPKOV, N.N., inzh.

Selecting a flow sheet and the experimental investigation of combustion chambers with an air-fountain effect by means of cold models. Energotekh.ispol'.topl. no.2:171-183 '62. (MIRA 16:5) (Combustion--Models)

TAGER, S.A., kand.tekhn.nauk

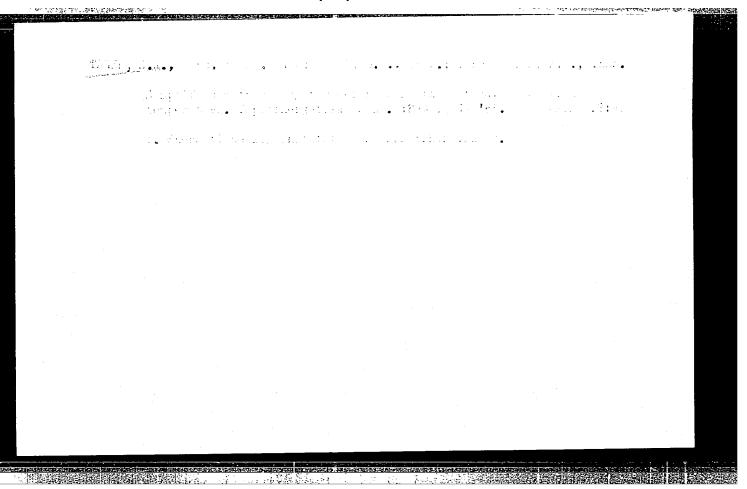
Calculation of a carry-over return system. Elek.sta. 33
no.12:16-21 D '62. (MIRA 16:2)

(Boilers)

Ther	N.N.; TAGER, S.A. hermal operation of 0.3:171-178 '63.		an air-stream furnaces. E			(MIRA)	•	
	(Furna	ces)			(Combustic	on research)		
								.7
								,•
								•
							·	

常见此处,我们就是一个人的,我们就是一个人的,我们就是一个人的,我们就是一个人的,我们就是一个人的,我们就是一个人的,我们就是一个人的人的人的人,我们就是一个人的人的人	MARIN
L 48 06-65 ENG(j)/ENT(m)/EPF(c)/EPR/ENP(j)/ENP(t)/ENP(b) Pc-4/Pr-4/Ps-4/	
ENG(3)/ENI(III)/EPP(0)/ENI(III)/EPP(0)/ENI(III)/EPP(0)/ENI(III)/EPP(0)/ENI(III)	
ACCEPTION NR. AP50111(0	
Candidate of technical sciences); Smirnov, A. S. (Engineer)	
of combustion products allowing for the effect of the	
dissociation of CO ₂ and H ₂ O ₃	
SOURCE: Teploenergetika, no. 5, 1965, 94	
TOPIC TAGS: combustion temperature, combustion product, dissociation, carlion	
diovide combustion	
ABSTRACT: In high-performance burners, the true combustion temperature is lower abstract:	
the coloulated, which is que to the true	
1 Linetian tomporatifica due discours	
The state of the s	
anthracite (ASh) and sour mazer as of 1.1. Orig. art. has: 1 figure and 1 formula.	
Card 1/2	科科学 图

L 48306-65		and an investment or a second	and the second section of the second		
ACCESSION NR: AP5011778					
ASSOCIATION: Energeticheskiy ins	titut im.	G. M. Krhizhanov	skiy (Pow	er Engineering	
Institute)					
SUBMITTED: 00	ENCL:	00	SUB CODE	: FP	
NO REF SOV: 001	OTHER:	000	ATD PRES	ss: 3254	
Card 2/2					



TAGER, S.A., kand. tekhn. nauk

Utilization of the mineral part of the fuel in electric power plants. Elek. sta. 36 no.12:10-15 D '65. (MTRA 18:12)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754710019-6"

LOSCH, August; AZENSHTADT, L.A. [translator]; AYENSHTADT, G.N. [translator];
TAGER, S.N. [translator]; FETGIN, Ya.G., red.

[The economics of location] Geograficheskoe razmeshchenie khozinistva. Moskva, Izd-vo inostr.lit-ry, 1959. 455 p.
Translated from the English.

(Industries, Location of)

(Industries, Location of)

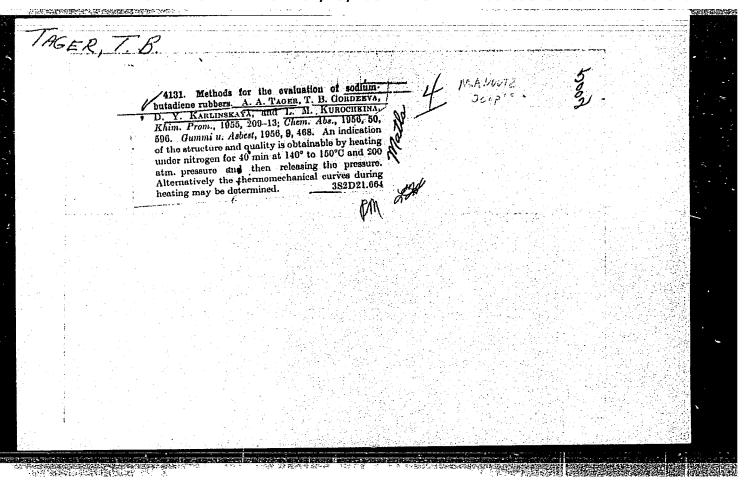
ARON, Ye.I. [translator]; MASH, V.A. [translator]; TAGER, S.N. [translator]; EYKHENVAL'D, A.V. [translator]; KHEYNMAN, S.A., red.; KHABINSKAYA, F.A., red.; ZLOTNIKOV, A.L., red.; KORMNOV, Yu.F., red.; IOVLEVA, N.A., tekhn.red.; POTAPENKOVA, Ye.S., tekhn.red.

[Organization of production at industrial enterprises of the U.S.A.]
Organizatsiia proizvodstva na promyshlennykh predpriiatiiakh SShA.
Moskva, Izd-vo inostr.lit-ry. [Publ. in English as "Industrial
Engineering Handbook."] Vol.1. 1960. 475 p.

(MIRA 13:11)

(United States -- Industrial management)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754710019-6"



TACRYEV, A. M.	2311769	
231789	USSR/Meteorology - Current Velocity Oct 52 "Nomogram for Computing the Average Velocity of Current of Rivers and Canals," A. M. Tageyev, Leningrad, Project Office, GULLP MVD (Main Admin of Timber Ind, Min of Int Affairs) "Meteorol i Gidrol" No 10, p 54 The nomogram is constructed for the formula v = 1/2 R ^X /IR; here v is the av velocity of current m/sec, 1/2 is the inverse coeff of roughness (found in the table of Sribnyy), R is the av hydraulic radius or av depth in meters, i is the inclination (R and i are detd from natural conditions), and x is the exponent in Pavlovskiy's formula.	

MARY W, D. L., Crof.

Diesel Motor

Can the modern high compression engine be called a diesel? Vest. mash., 32, No. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, October 1952 1953, Uncl.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754710019-6"

TAGEYEV, V. M.

USSR/Engineering
Foundry Practice
Casting

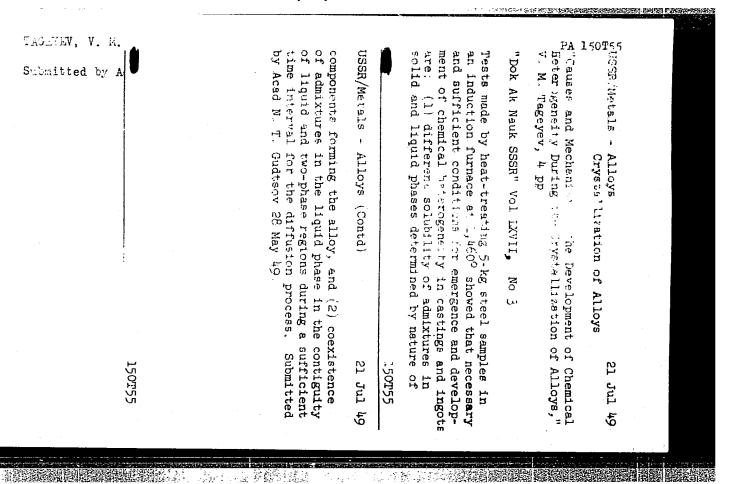
Feb 1948

"Development and Present Day Statur of Continuous Casting of Metals," I. Ya. Granat, Candidate Tech Sci, V. M. Tageyev, Engr, 7 pp

"Stal" No 2

In spite of the great engineering, technologic, and economic advantages of continuous casting of steel parts, the basic method of conducting continuous casting—with a moving and stationary crystallizer—cannot be said to be sufficiently developed for efficient industrila use. It is important and necessary to intensify experimental work in this field.

PA 41¹17



137-58-4-6735

Translation from: Referativnyy zhurnal. Metallurgiya. 1958. Nr 4 p 62 (USSR)

AUTHORS Tageyev, V.M., Ivanov, K.N., Bodyagin, D. Ya., Lavrentyev, B.A.

TITLE Improving the Quality of Steel Ingots and the Technical and Economic Level of Their Utilization (Uluchsheniye kachestva stalinykh slitkov i tekhniko-ekonomicheskikh pokazateley ikh ispolizovaniya)

PERIODICAL V sb. Metallurgiya Moscow-Leningrad, AN SSSR, 1957 pp 65-76

ABSTRACT. The results of investigations by Leningrad metallurgists in the theory of crystallization and the mechanism of the origin of various types of inhomogeneities in steel ingots are set forth, new types of ingots for forging and rolling, designed on the basis thereof, are described. Data on the employment of specialized forging ingots with smaller shrinkage heads without shrinkage head, and with greater taper (10-12%), and on the use of hollowingots, are presented.

A.Sh.

Card 1/1

1 Steel ingots--Development 2 Grystallization--Thec:y

71166161

133-9-14/23

Tageyev, V.M., Candidate of Technical Sciences and Smirnov, Yu.D., Engineer. AUTHOR:

Prevention of the Formation of "Whiskers" during Crysta-TITLE:

llization of Steel Using Additions of Rare Earth Elements. (Predotvrashcheniye obrazovaniya "usov" pri kristallizatsii

stali s pomoshch'yu redkozemel'nykh elementov)

PERIODICAL: Stal', 1957, No.9, 823 - 828 (USSR).

ABSTRACT: The influence of admixtures of rare earth elements on nonuniformity of the distribution of sulphur and other admixtures during crystallization of steel was investigated. Experimental ingots of H4O steel melted in acid-induction furnaces were cast in sand moulds. The dimensions and composition of experimental ingots is given in Table 1. The rare earth alloy containing up to 43% of cerium, about 5% of iron (remaining lanthanum and other rare earth metal) was added in a proportion of 0.05 - 0.2% either to the ladle or placed in pieces on the bottom of the Simultaneously, a control ingot without the alloying addition was cast from the same melt. For the determination of the distribution of inclusions radio-active isotopes of

were used in addition to the usual chemical and and P³² metallographic analyses. Radio-active elements were added as Cardl/3 elemental sulphur and red phosphorous in sealed steel tubes and

Prevention of the Formation of "Whiskers" during Crystallization of Steel Using Additions of Rare Earth Elements.

in such amounts that their activity at the time of exposure was O.l and O.Ol m Curies/kg, respectively. The fixation of the distribution of radio-active elements radiograms of longitudinal and transverse cross-sections of ingots were made. The exposure time varied between 15-20 days. The radio-active phosphorous was added to all ingots, sulphur only to some of them. Characteristic data on the macrostructure of the experimental ingots are given in Table 2. Negatives of some of the radiograms obtained are shown in Figs. 1 - 7. It was established that alloying of 0.1 - 0.2% of rare earth elements with deoxidised steel prevents or decreases the segregation of sulphur and other admixtures (possessing different solubilities in solid and liquid phases) in the form of whiskers. This is due to precipitation of the sulphide phase at an earlier stage of crystallisation, thus sharply decreasing the diffusion redistribution of sulphur in the two-phase zone of ingots. During the crystallisation, a considerable proportion of sulphur in the form of sulphide inclusions is distributed along the axis of dendrites with the corresponding decrease of its concentration in inter-axial spaces with a sub-Uard2/3 sequent decrease in the dendritic non-uniformity of steel (more

A THE RESIDENCE OF THE PROPERTY OF THE PROPERT

Prevention of the Formation of "Whiskers" during Crystallization of Steel Using Additions of Rare Earth Elements.

uniform distribution of sulphur inside and along the boundaries of crystallites). A more uniform distribution of phosphorous and other admixtures is due to a decrease in the migration of the liquid solution in the two-phase zone, apparently caused by a decrease in its mobility resulting from a decrease in the concentration of sulphur. The adsorption nature of the observed effect of enrichment with phosphorus and carbon of the sulphide phase formed in the liquid steel and floating to the top during alloying it with rare earth elements (Table 3), is postulated. The macrostructure of steel alloyed with rare earth elements (0.05 - 0.2%) becomes somewhat coarser. The above physicochemical method of decreasing the macroscopic non-uniformity of steel during its crystallisation can be probably utilised in the production of semis by continuous casting. There are 3 tables, 7 figures and 1 Slavic reference.

AVAILABLE: library of Congress.

Uard 3/3

SOV/123-59-15-60471

Translation from: Referativnyy zhurnal. Mashinostroyeniye, 1959, Nr 15, p 223 (USSR)

AUTHORS:

Tageyev, V.M., Smirnov, Yu.D.

TITLE:

Investigations of the Process of Non-Axial Heterogeneity Formation in

Steel Bars and Castings

PERIODICAL:

V sb.: Zatverdevaniye metallov. Moscow. Mashgiz. 1958, pp 352 - 373

ABSTRACT:

Tests with bars (B) of grade 40 steel were carried out. Two B solidified in the crucible of a 1-ton induction furnace after its having been switched off, while one of the furnaces was tilted through an angle of 45°. Eight B of 1.8 - 6 tons weight were cast into sand molds from the same steel charge, smelted in a 25-ton acid open-hearth furnace. One of the B was case in a horizontal position, the rest vertically. In some cases diaphragms of a molding mixture were put across the B with an opening of 150 mm in diameter in order to obtain an increased shifting of the steel in the region of the diaphragm; a rarefication was created in the interior of the head section of B in order to obtain an intensified gas liberation of air pressure on the B up to 3.5 at. For the examination of the metal flow radioactive w185, 335 and P32 were from time to time introduced into it. Based on the

Card 1/2

SOV/123-59-15-60471

Investigations of the Process of Non-Axial Heterogeneity Formation in Steel Bars and Castings

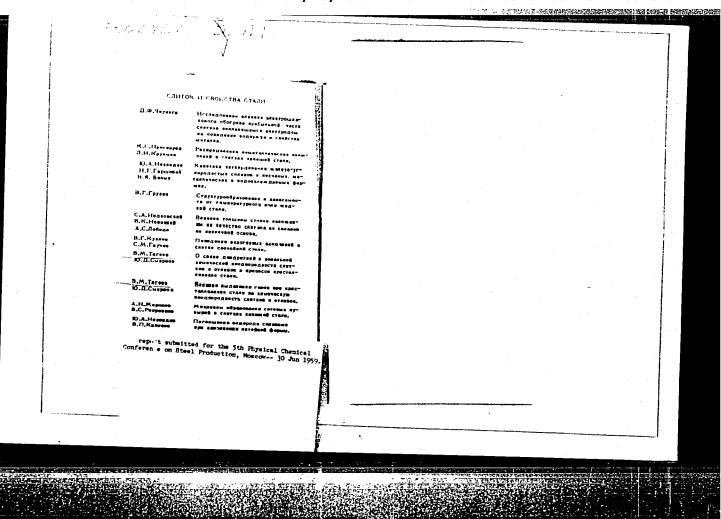
investigations a hypothesis was advanced in order to explain the mechanism of the formation of non-axial heterogeniety (NH) in bubble-free steel bars. NH develops during the crystallization process of B in the region of the liquid-solid state and is the result of a local redistribution of impurities. Shrink holes which are formed during the crystallization in the two-phase zone are filled with a liquid, which is enriched by impurities, flowing out from above-located interaxial dendritic spaces. Starting at any interaxial space the flow entails a continuous chain of similar subsequent displacements of liquid, enriched by impurities, resulting in the forming of a "whisker" of the fiber shape. The diffusion of the admixtures into the "whisker" zone and into the adjacent interdendritic sections considerably increases the NH. In this way the NH has a direct connection with the dendritic heterogeneity. The development of NH may be favored by delayed cooling, by a liberation of gas (though NH may occur also when gases are not liberated), by mechanical effects and other factors which cause the movement of the liquid during the crystallization process. Measures of fighting NH: a reduction of the content of S and P and gases in the steel, a reduction of the cross-section of the bar in order to achieve a greater crystallization rate. 18 figures.

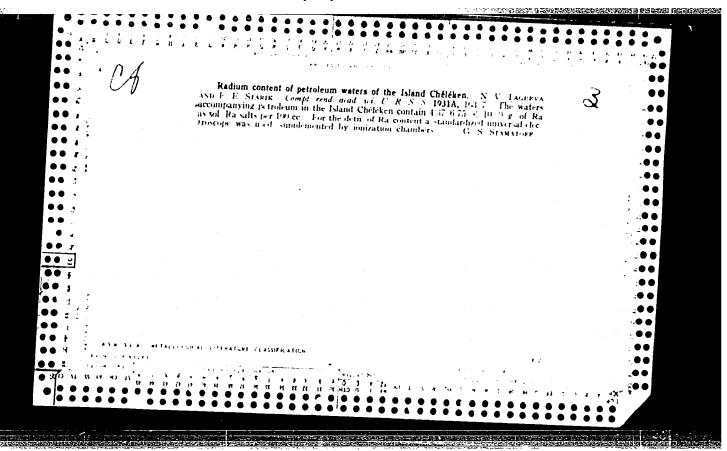
0.S.M.

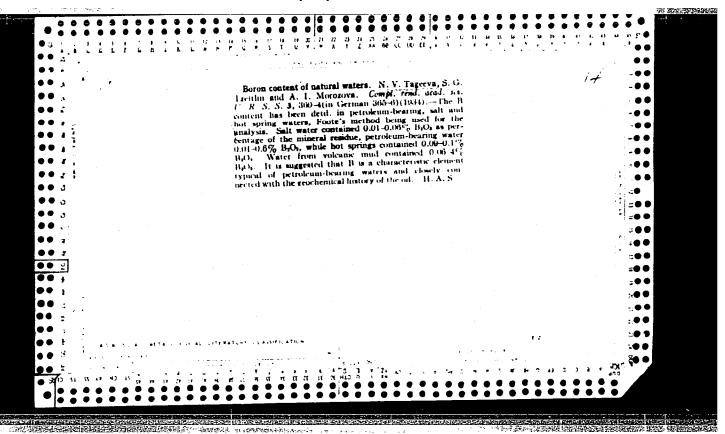
Card 2/2

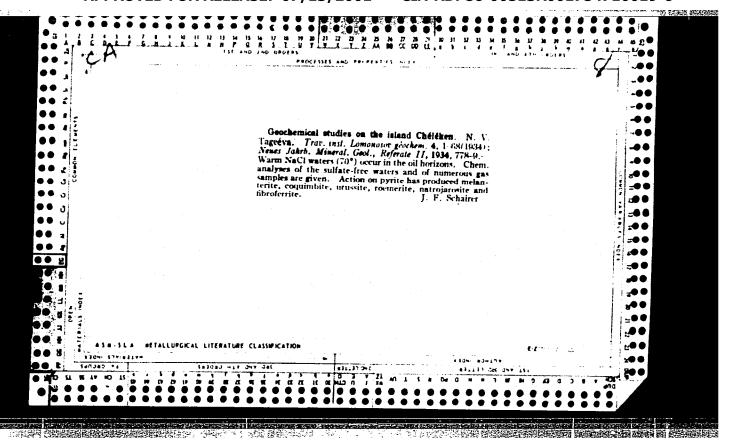
APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754710019-6"

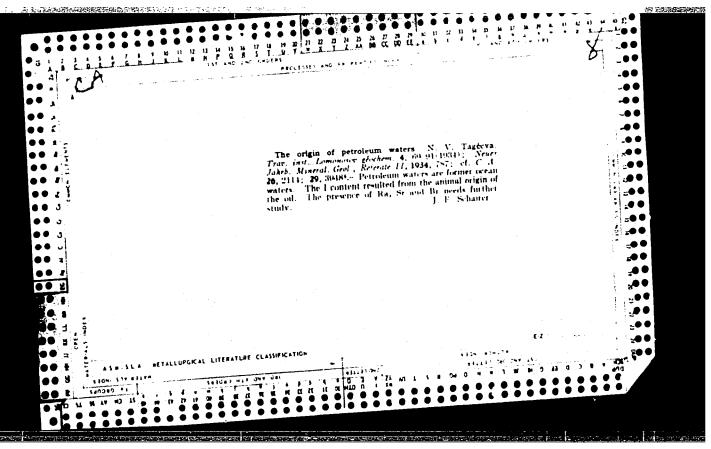
1.344 高速控制 经基础

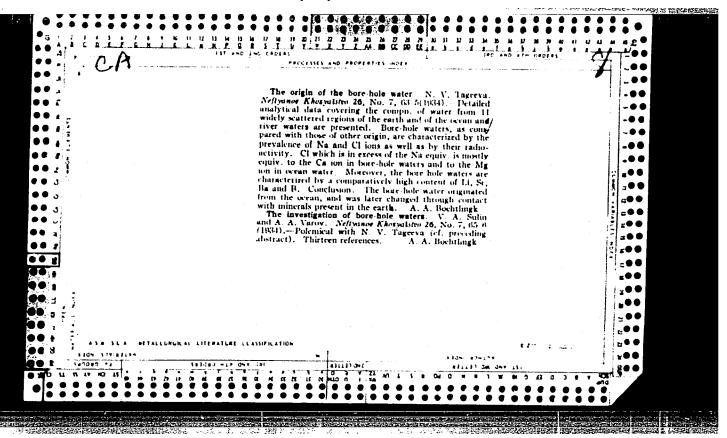


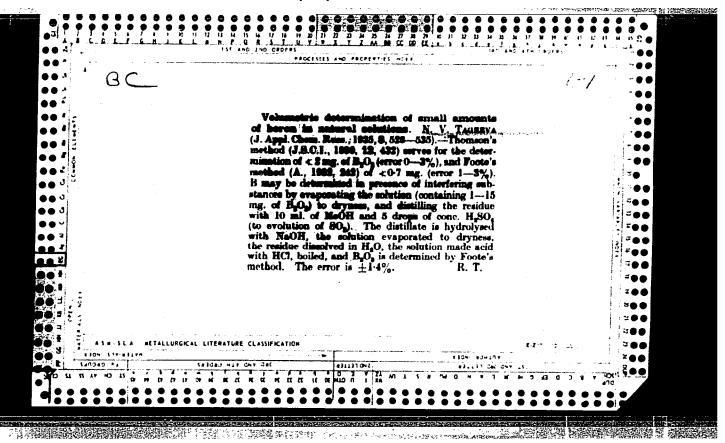


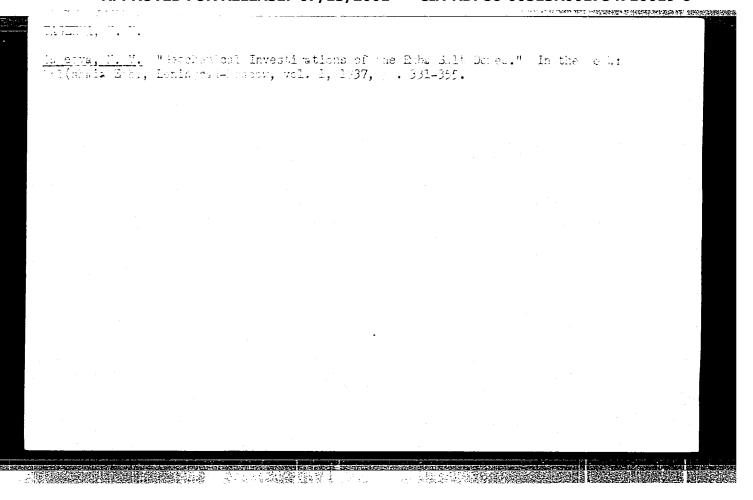


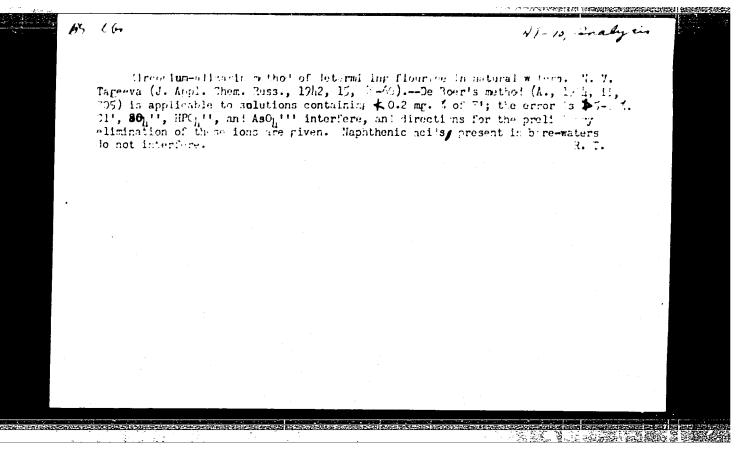






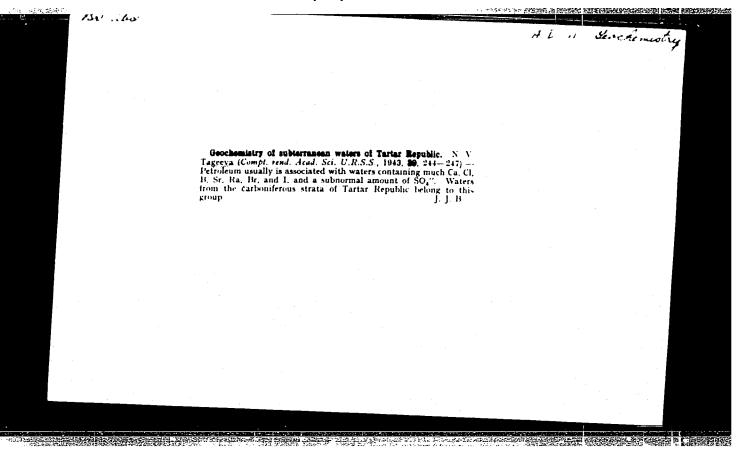


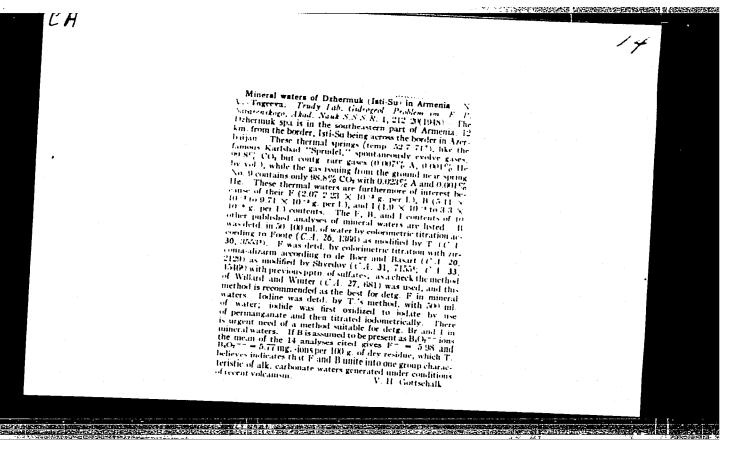




Whr., Inst. Nime al Pusic, Dayt. Tark. Sci. Acad. Sci., -1943-.
Mar., Geocher. Lab., Petroleum Inst., -Dept. Tech. Sci., Acad. Sci., -1942-;
"Floring and Bor of in Natural Waters and Their Bearing on the Community of Publishment Haters in the Tortholog." Lon. Al., 34, Nos. 4-5, 1442; "On Geochemistry of Subtermansan Waters in the Tortholog Republic," ibid., 35, No. 6, 1943.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754710019-6"





BELAYA, M.P.; TAGREVA, N.V.

Elementary chemical composition of wheat of pure lines of descent.

Trudy Biogeokhim. Lab., Akad. Nauk S.S.S.R., No.9, 137-46 '49. (CA 47 no.15:7603 '53) (MLRA 6:5)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754710019-6"

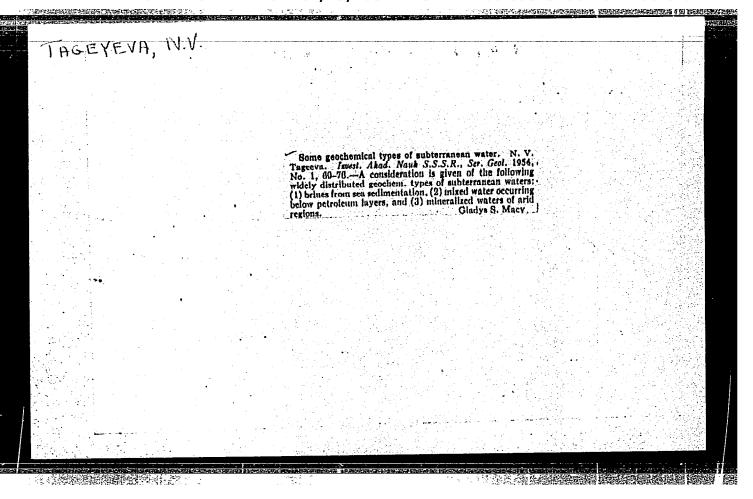
A.1				-
TAGEYEVA, N	· V .			
1			м	
1				
•				
		The problem of the geochemical conditions of formation of		
		some sedimentary rocks. N. V. 1agecva. Discussion		
	6	((purely chem., colloidal, blochem., landerent) cially important for explanation of the formation of certain		
		petroleum layers, and also for explanation of the organization the re-		
		port is a chart listing some fundamental geometrary rock.		
		Cladys S. Macy		
100 mm		Control of the Contro		
	ing a second control of the control	ngan di kabupatèn di Kabupatèn Bandaran Kabupatèn Bandaran Kabupatèn Bandaran Kabupatèn Bandaran Kabupatèn Ban Kabupatèn Bandaran Kabupatèn Bandaran Kabupatèn Bandaran Kabupatèn Bandaran Kabupatèn Bandaran Kabupatèn Banda	فتتكوأو أنجيدها المعتباتين والمتار	المراجعين المتاريخ
Statement from Land in the control of the control o				
	y a sa		e e jare de la companya de la compa	
			- · · · · · · · · · · · · · · · · · · ·	o es esta establica

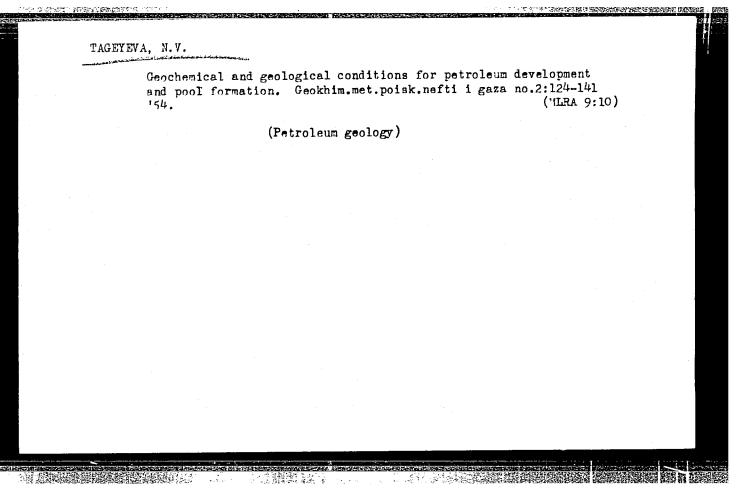
EXELTING 1					
Water-Taley Calley					
Met aral was indeed our saley	. Mojr. – Priroda	hl, m. , 1	·52•		
9. Monthly List of Russian	Accessions, Libra	ary of Conares	<u> </u>	1953 Unclass:	ified.
		Marine Color III			

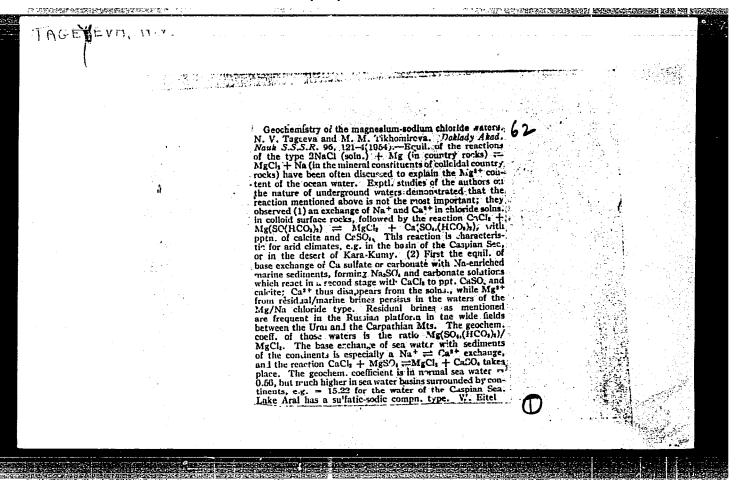
TAGEYEVA, N.V.; TIKHOMIROVA, M.M.

Geochemistry of the natural waters of the Uzboy region. Doklady Akad. Nauk S.S.S.R. 84, 1201-2 '52, (MIRA 5:7)

(CA 47 no.22:12705 '53)







and the first of the first of the first

USSR/Cosmochemistry - Geochemistry. Hydrochemistry, 5

Abst Journal: Referat Zhur - Khimiy No 19, 1956, 61301

Author: Tageyeva, N. V.

Institution: None

Title: Experimental Investigations on Study of the Origin of Blanket De-

posits of Sodium-Alkaline Earth Col vias Bricas

Original

Periodical: Sb. Vopr. izucheniya podzem. vod i ikob. geom. protesseov, M.,

AN SSSR, 1955, 93-121

Abstract: On the basis of numerous experiments it was noted that in the origin

of water layers play part cathionic exchange between Na of brine and Ca2+ of clayer rock collodis; microbial gical reduction of sulfates with formation of H₂S and Co₃²⁻¹ inc; Mg²F practically takes no part in the exchange; chemical interaction between brine and petroleum is absent in an aerobic meilion. The author considers that alkaline earth-sodium chloride containing sulfate free waters together with petroleum can be formed in player rocks by interaction

with sea water during period of accomplation of semiments.

Card 1/1

TAGEYEVA, N.V.

Principal features of the hydrogeochemistry of sedimentary rocks.
Gidrokhim. mat.24:86-89 '55. (MIRA 9:4)

1.Laboratoriya gidrogeologicheskikh problem imeni F.P.Savarenskogo,
Moskva.

(Water, Underground) (Water--Analysis)

TAGEYEVA, N.V.; TIKHOMIROVA, M.M.

Continue to the state of the st

Certain features in the early diagenesis of sedimentary rocks in the northwestern regions of the Black Sea. Dokl. AN SSSR 112 no.3:513-515 Ja '57. (MLRA 10:4)

1. Laboratoriya gidrogeologicheskikh problem im. F.P. Savarenskogo Akademii nauk SSSR. Predstavleno akademikom D.I. Shcherbakovym. (Black Sea region--Rocks, Sedimentary)

TAGEYEVA, N. V.

"On the Geochemistry of Clay Sediments of the Caspian Sea." report presented at the rth Intl. Sedimentology Congress, Geneva/Lausanne 2-7 June 1958.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754710019-6"

THE State of the S	- CANCERTEELEMEELEMEN NOW.			The second of th	aller seminated and a seminated and	1988.899
sistry of Pore Saters from Quaternary and Plicens Sediments of the Caspian Ses, and by Chie, Krol', "The Geochesistry of Fore Solutions of Carboniferous Deposits of the Moscoe Oblect". The following persons took part in the discussions: 7.8. Popov, A.A. Cavryuthina, G.L. Stednitov, Y.P. Bel'skays, Ch. Ta. Krol', A.G. Zavidonova and O.K. Lange. Ch. May 29 1956, the reports were made by A.I. Silin-Rekub- rian, "Suss Problems of Hydrogeology in Morth Africa and Sindusten" and by A.G. Laxidonova The Devonian Waters of the Tambov Oblect"). The following persons took part in the discussions: Yu.M. Bukhim, A.G. Zavidonova, N.A. Yevi- orowskays, A.S. Dabli'ger, O.K. Lange and A.T. Silin-Reb.	THEXITA	TITLE, PERIODICAL, ABSTRACT,	The Hydrogeological Section (Cidrogeologiche Byulleten Moskovskogo obshchestva impytatel Otdel geologichesty, 1958, Nr 5, pp 151 - 1 The Hydrogeological Section of the Society, Lange, Secretary - N.P. Lobanova) heard the ports. On 10 April 1958, by 1.5. Lubilyer, of Hydrochemical Zonality of Upper-Fermian D. South Ural Region, and The Borate Matero Cabba channels by C.W. Teytagrin. The follow took part in the discussions: A.A. Aleksin, B.P. Martitskiy, S.V. Viktory, N.P. Lobanov fontova and O.K. Lange. On 17 April 1958, by Krostve Surfaces of Wountains, the Structure and Hydrogeology, and by V.S. Samarin "The and the Hydrogeologic Map". The following part in these discussions: N.I. Skolor, S.V. N.A. Veviorovskaye, A.A. Eonoplyanteev, A.S. K.T. Filatov, A.A. Rodekiy, V.B. Meyman. On K.V. Filatov "The Basic Bules of the Hydrocht tion of Subterransan Waters of Their Genesie", Gudochkins, "The Engineering and Geolorical of Rocks from the Alwanta Region". The Foliotok part in the discussions: Ye.B. Jartsave	/5-59-5-12/20 skaya sektsiya) ey prirody, 55 (UUSR) (Chairman- O.K. following re- "The Question eposite in the f the Trens- ing persons A.F. Takushova, e. K.A. Kesno- y B.L. Lichkov, of Nountains Geomorphology ersons took Dubil'yer, May 15, by esical Composi- d some Const- and by L.M. Characteristics lowing persons . V.E. Popow, V.E. Popow,		
		Card 2/3	Gudochkins, "The Engineering and Geological of Rocks from the Alma-Ata Region". The following and Geological of Rocks from the Alma-Ata Region". The following the Martiner A.G. Zevidonova, N.F. Lobanova, Yu. Y. Nikhin and O.K. Lange. On May 22, by N.V. Teagewer sistry of Pore Waters from Quaternary and Plof the Caspian See", and by Chie Krol', "If of the Caspian See", and by Chie Krol', "If of the Caspian See", and by Chie Krol', "The following persons took part is sions: T.B. Popov, A.A. Garvukhins, C.L. Stel'skaya, Ch. Ya. Krol', "A.G. Zavidonova and hay a 1956, the reports were made by A.I. III, "Some Problems of Hydrogeology in North Rindostem" and by A.G. Zavidonova "The Devon' the Caspian See Market "). The following persons the discussiones Ta.B. Bukhim, A.G. Zavidonova oroveksya, A.S. Dabil'yer, O.K. Lange and A.Y.	and by L.W. Characteristics lowing persons , V.B. Popov, , D.S. Sokolov , The Geoche- iocene Sedients he Geochesistry of the Moscow n the discus- admiker, V.P. d O.K. Lange, . Silin-Bekchy- Africa and lan Waters of took part in		

AUTHOR:

Tageyeva, N.V.

507/5-58-5-17/20

TITLE:

On the Geochemistry of Pore Waters from Quaternary and Pliocene Sediments of the Caspian Sea (K geokhimii porovykh vod iz chetvertichnykh i pliotsenovykh osadkov Kaspiyskogo

morya)

PERIODICAL:

Byulleten Moskovskogo obshchestva ispytateley prirody, Otdel geologicheskiy, 1958, Nr 5, pp 157 - 158 (USSR)

ABSTRACT:

The author sums up the report she read on 22 May, 1958 in the Hydrogeological Section of the Society. She describes the chemical content of waters taken from Quaternary and Pliocene sedimentary layers 4 to 58 m deep, from the sea bottom. The study of water migration in these layers showed that their normal humidity decreases with the age of the layers, independently of the depth at which these layers are. The chemical composition of the pore water is also

given.

Card 1/1

可能的一个包括在新物质

TAGEYEVA, N.V. Principal geochemical types of underground waters. Trudy Lab. gidrogecl.probl. 16:106-114 158. (MIRA (MIRA 12:2) 1. Laboratoriya gidrogeologicheskikh problem imeni F.P. Savarenskogo AN SSSR. (Waser, Underground-Gomposition)

> CIA-RDP86-00513R001754710019-6" **APPROVED FOR RELEASE: 07/13/2001**

TIKHOMIROVA, M.M.; TAGHYEVA, N.V.

Experimental geochemical study of the formation of types of underground waters. Trudy Lab.gidrogeol.probl. 16:261-284 '58. (MIRA 12:2)

1. Laboratoriya gidrogeologicheskikh problem imeni F.P. Savarenskogo AN SSSR.

(Water, Underground)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754710019-6"

Takerava, N.V., reterent

Geochemistry of interstitial waters in Caspian Quaternary and Plicene sediments. Biul.MOIP. Otd.geol. 33 no.5:157-158 S-0 '58.

(Caspian Sea-Sediments (Geology))

SOV/20-121-6-30/45

AUTHOR: TITLE:

On the Geochemistry of the Loamy Sediments of the Caspian Sea

(O geokhimii glinistykh osadkov Kaspiyskogo morya)

PERIODICAL:

Doklady Akademii nauk SSSR, 1958, Vol 1.1, Nr 6, pp 1056 - 1059

(USSR)

ABSTRACT:

It is very important to investigate the interstitied water of the marine sediments although at the moment mainly the mineralogical part is used for the investigation of the cnemical metamorphism of these deposits. Since 1954 the author has been investigating together with M.M. Tikhomirova and V.V. Korunova in the Laboratory for Hydrogeological Problems the sediments of the shelf of the Caspian and Black Sea from the Eogene and Pliocene time. Apparently these deposits did not dry out. In order to be able to investigate the interstitial water the sediments were squeezed out under a pressure of 150 kg/cm2; this procedure was carried out according to Kryukov (Ref 1). Table 1 shows the results of the semi-microanalysis and spectrum analysis of the sediments of the Makarov-bank, of the "Pogorelaya plita"-bank and of the Baku archipelago (Bakinskiy arkhipelag). In order to be able to compare the interstitial water with the water of the

Card 1/3

On the Geochemistry of the Loamy Sediments of the Caspian Sea

sov/20-121-6-30/45

Caspian Sea the chemical composition of the latter is mentioned. It reveals that the investigated stratigraphic column which corresponds to a period of 1 000 000 years is represented by a rather monotonous mass of loam. It mainly consists of hydromica; its particles have a size of $3,6-5\mu$. CaCO₃ forms 22-30 %,

Corms 0,8 - 1, 7 %. Table 1 shows that in the Quartenary org sediments of the Caspian Sea magnesia forms the main exchange sediments of the Caspian Sea magnesia played an important cation. Thus may be concluded that magnesia played an important part in the geochemistry of the Quartenary waters; this is also the case in the recent water of the Caspian Sea. In Pliocene deposits the absorbed amount of magnesia decreases rapidly. Its part is taken over by natrium and potassium which together become prevailing. This distribution of the mentioned cations is brought about by the formation of an authigenous needle-shaped magnesia alumosilicate in it (probably from the group of palygorskite) which was determined by means of an electron microscope by D.D. Kotel'nikov. Table 2 shows the elements which are distributed in the interstitial water: Br, Sr, B, Si, Al, Fe,

Card 2/3

On the Geochemistry of the Loamy Sediments of the Caspian Sea

SOV/20-121-6-30/45

Mn. Ti and Cu are characteristic of this water with Br and Sr

forming the largest amount $\frac{c_1}{Br}$, $\frac{c_1}{B}$ and $\frac{c_1}{Sr}$ in interstitial and recent water. The author claims that the not open water where the mentioned sediments were deposited was similar to the water of the Caspian Sea. There are 3 tables and 5 references, 4 of which

are Soviet,

ASSOCIATION:

Laboratoriya gidrogeologicheskikh problem im.F.P. Savarenskogo

Akademii nauk SSSR (Laboratory for Hydrogeological Problems

imeni F.P. Savarenskiy, Academy of Sciences, USSR)

PRESENTED:

March 6, 1958, by D.I. Shcherbakov, Member, AS USSR

SUBMITTED:

February 24, 1958

card 3/3

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754710019-6"

A CALLEY AND A CONTROL OF A CALLED AND A CAL

	34.27 JV 3				ा भूगा गुलग्र स्थानस्थ	图 可於他們不可以,可可能與我們用和國家
51			ın 01 0	105 105	116	164 175 188 (22)
PHASE I BOOK EXPLOITATIO: SOV/5331	Forcow, lad-vo All Series: Doklady B: Resp. Ed.; A. V. Zh of Publishing Ho	FUILCOSE: This book is intended for geologists and occanographers. COVERAGE: The book contains 18 articles representing the reports given by Soviet geologists at the 21st. International designer Congress. Individual articles deal with the better teperations and tectonies of occase (Mentern Pearlies and sections of occase (Mentern Pearlies at Southern India), as well as the georophylogy and tectonies of the Disck and Ganyian Seas and Soviet occions of the Palits. An English résuré accorption each article. No percensitation Symmony. H. H., I. Ye. Mikhalltray, O. B. Udither, I. B.	Andrewowk, A. E. Analis, and M. A. Actiocohory, McLiles of Salistic-Acounts Invisitions of the Livilia Grust Under Seas and Oceans Seas and Oceans Saldove, Mr. H. Strattgraphy of Seatment: and the Palcoglegraphy of the Port Entern Seas of the USER According to See-Dottom Portainifers Listing, A. P. Forsation of Seatments in the Southern of Falitic and Index Oceans	Leadov. Bottom Sedimontation Con- lecan Sean Service Bottom Geomorphology of the Black Sea Kulakove, and G. V. Argyova, Relief and of the Southern Campian Sea		Aybulatov, N. A., V. I. Boldyrev, and V. P. Zankovich. Scmo MeH Date of Sedimont Streams Along Shoren. Budanov, V. I., A. S. Lonin, P. A. Monlin, and V. S. Madvedev, Recent Vortical Povements of Senshored in the Soviet Union 11 Leantivey, O. K. Types and Pormation of Lagoons on Recent Senshores. Card-1,5.
			:	and the same of th		and the second between the second sec

TAGEYEVA, N.V.; TIKHOMIROVA, M.M.

Determining the composition of exchange cations in sediments of the Caspian Sea. Trudy Lab. gidrogeol. probl. 30:48-56 '60.

(MIRA 14:4)

(Caspian Sea-Cations)

Water in m	narine sediments at 34 no.4:917-919	the time of th 0 '60.	eir diagenesis. (MIRA	13:9)	
l. Laborat Savarensko Shcherbako	coriya gidrogeologi ogo Akademii nauk S ovym. (Submarine geo	SSR. Predstavie	m im. F.P. no akad. D.I.		

S/169/62/000/010/054/071 D228/D307

JUTHORU:

Tageyeva, H.V., Tikhomirova, M.M. and Korunova, V.V.

11.000

dater during the diagenesis of marine sediments

(in the example of the northern seas)

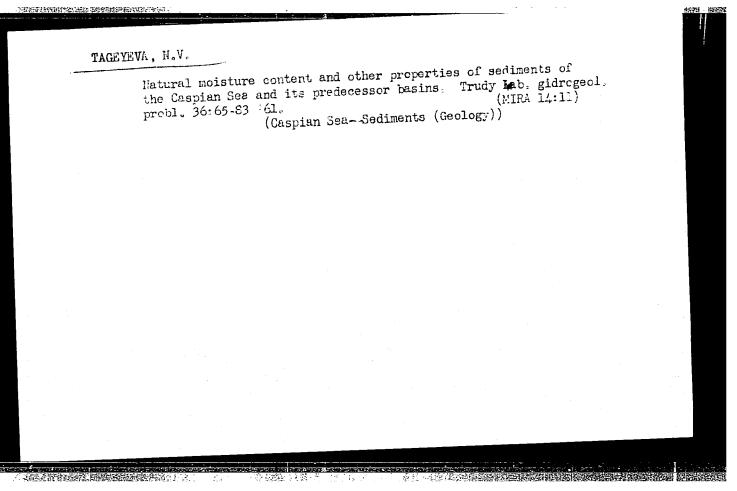
_ILCUIDAD:

Referativnyy zhurnal, Geofizika, no. 10, 1962, 7, abstract 10V61 (In collection: Sovrem. osadki morey

i okeanov, M., AN SSSR, 1961, 577-596)

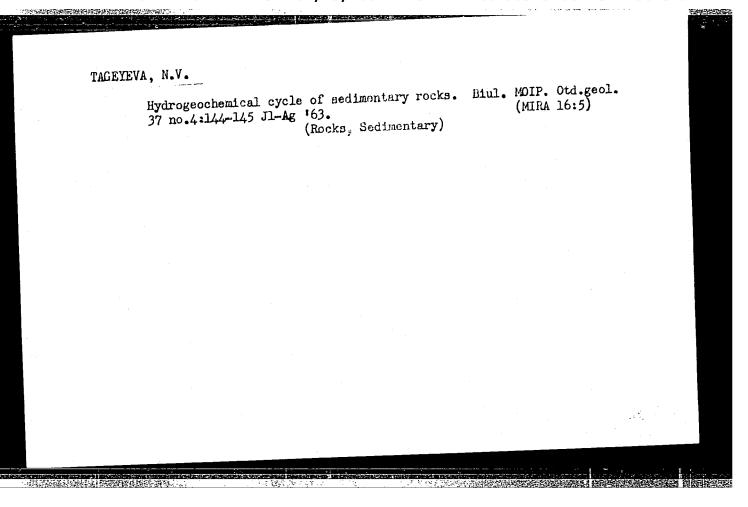
Data on the chemical composition of bottom sediments and the muddy (interstitial) waters held in them are given for the Central ratio basin of the Barents, Kara, Chukotsk and Bering Seas. In comparison with ocean water these latter are enriched in I by 150-200 times, in In by 10-15 times, and in Gu, B, K and Br (only by 10-20%). There is a tendency for the concentration of I and B to grow in muddy water, and for that of In to diminish, as the pH increases.

Card 1/1



TAGEYEVA, Nadezhda Viktorovna; TIKHGHROVA, Mariya Matveyevna;
TEODOROVICH, G.I., doktor geol.-min. nauk, otv. red.;
FILIPPOVA, B.S., red. izd-va; PRUSAKOVA, T.A., tekhn. red.

[Geochemistry of interstitial waters in the diagenesis of marine sediments; as revealed by the study of sediments in the Caspian Sea] Geokhimiia porovykh vod pri diageneze morskikh osadkov; na primere osadkov Kaspiiskogo moria. Moskva, Izd-vo Akad. nauk SSSR, 1962. 244 p. (MIRA 15:7) (Caspian Sea-Deep sea deposits)



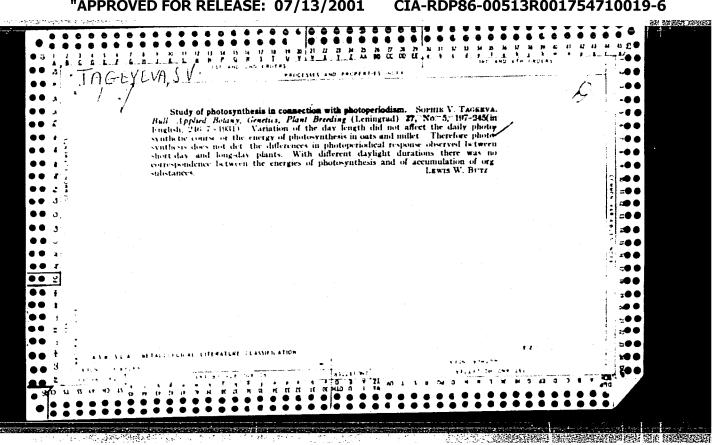
Sea	bottom silt. (Silt)	Priroda	52 no.3: (Submar	98-100 '6 ine geolo	93. 1937)	(MIRA 16	:4)	

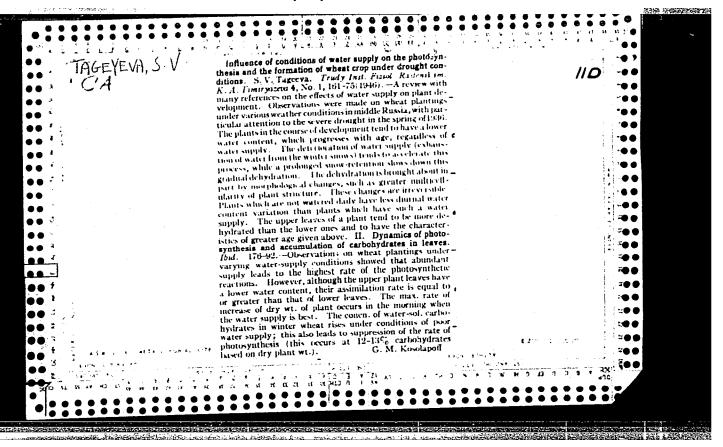
TAGEYEVA, N.V.

Interstitial waters in the sediments of the northern seas. Dokl. AN SSSR 163 no.6:1477-1479 Ag *65. (MIRA 18:8)

1. Submitted January 20, 1965.

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754710019-6"





oh16h/9	6/49749 USER/Medicine - Plants (Contd) Jun 48 Data shows that growth substances increase water content of leaves. Submitted 28 Apr 48.	**Effect of Growth Substance on the Absorption and Expiration of Mater by the Plant Fibers, S. V. **Tageyeva, V. I. Browtsyna, Inst Plant Physiola: **Tameni K. A. Timiryazev, Acad Sci USSR, 4 pp **Dok Ak Nauk SSSR** Vol IX, No 9 **Experiments were carried out on beans (Vicia faba) **Erowing in earthenware pots. Soil was 70% saturated Growth substances used were beta-indolylacetic acid (heteroauxin) and 2,4-dichlorphenoxyacetic acid. **Most important results are tabulated and discussed.	

BRANDT, A.B.; DEREVYANKO, V.G.; PAVLOVA, I.P.; TAGEYEVA, S.V.

Significance of the intensity and spectral composition of light for pigment accumulation in plants [with summary in English]. Biofizika 2 no.6:649-660 '57. (MIRA 10:12)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.
(Plants, Effect of light on) (Color of plants)

TAGEYEVA TAGEEVA, S.V.

"Peruliarities of the Motion and Viscosity of the Protoplasm of Vegetative Cell." Paper submitted for the Int'l Botanical Congress, Montreal, Canada, 19-29 Aug 1959.

Inst. of Biophysics, Academy of Sciences U.S.S.R., Moscow.

TAGEYEVA, S.V.; BRANDT, A.B.

Universal apparatus for determining optical properties of plants. Biofizika 4 no.2:232-237 159. (MIRA 12:4)

1. Institut biologicheskoy fiziki AN SSSR, Moskva.

(PLANTS,

universal device for determ. of optic properties (Rus))

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754710019-6"

TAGAZYEVA, S. V., BRANDT, A. B., DEREVYANKO, V. G.

Inst. of Biophysics, Academy of Sciences, Moscow.

"The peculiarities of the leaves' optical properties."

paper submitted for the Third Intl. Congress on Photobiology, Copenhagen, 31 July - 5 August 1960.

Inst. of Biophysics, Academy of Sciences, Moscow. TAGEYEVA, S. V., DUBROV, A. P.

"Photoreactivation in Plant Cells."

paper submitted for the Third Intl. Congress on Photobiology, Copenhagen, 31 July - 5 August 1960.

TAGEEVA, S. V., BRANDT, A. B. Inst. of Biophysics, Academy of Sci., Moscow.

"Optical properties of leaves depending on the angle of light incidence."

paper submitted for the Third Intl. Congress on Photobiology, Copenhagen, 31 July 5 August 1960.

Studying optical properties of leaves as related to the angle of incidence of light. Biofizika 5 no.3:308-317 '60. (MIRA 13:7) incidence of light. Biofizika 5 no.3:308-317 '60. (MIRA 13:7) incidence of light. Biofizika 5 no.3:308-317 '60. (MIRA 13:7) incidence of light. Biofizika 5 no.3:308-317 '60. (MIRA 13:7) incidence of light. Biofizika 5 no.3:308-317 '60. (MIRA 13:7) incidence of light. Biofizika 5 no.3:308-317 '60. (MIRA 13:7) incidence of light. Biofizika 5 no.3:308-317 '60. (MIRA 13:7) incidence of light. Biofizika 5 no.3:308-317 '60.

TAGEYEVA, S.V.; BRANDT, A.B.; DELLVYANKO, V.G.

Variations in the optical properties of leaves during vegetation.

Dokl. AN SSSR 135 no.5:1270-1273 D '60. (MIRA 13:12)

1. Institut biologicheskoy fiziki AN SSSR. Predstavleno akademikom A.I.Oparinym.

(Leaves—Optical properties) (Birch)

(Linden)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754710019-6"

TAGEYEVA, S.V.; BRANDT, A.B.; KORSHUNOVA, V.S. Optical properties of Chlorella pyrenoidosa suspensions. (MIRA 15:3) Biofizika 6 no.5:572-581 61. 1. Institut biologicheskov fiziki AN SSSR, Moskva. (SPECTRUM ANALYSIS)

TAGEYEVA, S.V.; KAZANTSEV, E.N.

Characteristics of cytoplasmic and chloplastic streaming in the leaf cells of Elodea canadensis. Izv.AN SSSR.Ser.biol. no.6:885-895 N-D '62. (MIRA 16:1)

1. Institute of Biological Physics, Academy of Sciences of U.S.S.R.

(PLANT CELLS AND TISSUES) (WATERWEFD)

APPROVED FOR RELEASE: 07/13/2001 CIA-RDP86-00513R001754710019-6"